



8165 E. Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510777.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052510777
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/4/2025
[MANUFAC] Vista Professional Outdoor Lighting
[LUMCAT] 1142-MF-RGBW-(R)
[LUMINAIRE] 1142 Medium Flood Red Output
[BALLASTCAT] ELDOLED PW50U-M4Z0X1
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[MORE] Base file 80239581-29
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 5 V
Maximum Candela	290
Maximum Candela Angle	-3H -11V
Horizontal Beam Angle (50%)	96.8
Vertical Beam Angle (50%)	61.7
Horizontal Field Angle (10%)	141.0
Vertical Field Angle (10%)	93.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	319
Beam Efficiency	N.A.
Field Lumens	438
Field Efficiency	N.A.
Spill Lumens	30
Luminaire Lumens	468
Total Efficiency	N.A.
Total Luminaire Watts	14.65
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	0
75	16	75	4
65	49	65	9
55	111	55	15
47.5	160	47.5	26
42.5	185	42.5	42
37.5	206	37.5	73
33	221	33	119
29	233	29	168
25.5	243	25.5	210
22.5	250	22.5	238
19.5	256	19.5	261
17	261	17	275
15	264	15	285
13	267	13	289
11	269	11	290
9	271	9	289
7	273	7	286
5	274	5	282
3	275	3	279
1	276	1	277
0	276	0	276
-1	276	-1	277
-3	275	-3	279
-5	274	-5	282
-7	273	-7	286
-9	271	-9	289
-11	269	-11	290
-13	267	-13	289
-15	264	-15	285
-17	261	-17	275
-19.5	256	-19.5	261
-22.5	250	-22.5	238
-25.5	243	-25.5	210
-29	233	-29	168
-33	221	-33	119
-37.5	206	-37.5	73
-42.5	185	-42.5	42
-47.5	160	-47.5	26
-55	111	-55	15
-65	49	-65	9
-75	16	-75	4
-85	2	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 290

Beam Edge = 145 Cd (50% of Max.)

Field Edge = 29 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	1	2	3	4	4	4	4	4
65.0	0	0	3	6	9	10	10	10	10	10
55.0	0	0	5	11	16	18	18	17	17	17
47.5	0	1	7	16	23	26	27	27	27	27
42.5	0	1	9	19	30 *	35 *	37 *	39 *	40 *	41 *
37.5	0	1	10	24	38 *	48 *	54 *	58 *	62 *	65 *
33.0	0	1	11	27	48 *	63 *	73 *	83 *	90 *	96 *
29.0	0	1	12	31 *	57 *	79 *	95 *	110 *	123 *	133 *
25.5	0	2	13	34 *	66 *	95 *	116 *	136 *	153 *	166 *
22.5	0	2	14	37 *	74 *	110 *	135 *	158 *	177 *	192 *
19.5	0	2	14	39 *	82 *	123 *	152 *	177 *	197 *	212 *
17.0	0	2	15	41 *	89 *	134 *	163 *	189 *	209 *	224 *
15.0	0	2	15	43 *	94 *	140 *	170 *	197 *	216 *	232 *
13.0	0	2	15	44 *	98 *	146 *	176 *	202 *	221 *	236 *
11.0	0	2	15	46 *	102 *	151 *	180 *	205 *	224 *	239 *
9.0	0	2	16	47 *	105 *	154 *	184 *	207 *	225 *	240 *
7.0	0	2	16	47 *	108 *	157 *	185 *	208 *	225 *	239 *
5.0	0	2	16	48 *	109 *	159 *	185 *	208 *	224 *	238 *
3.0	0	2	16	49 *	111 *	160 *	186 *	207 *	223 *	235 *
1.0	0	2	16	49 *	111 *	160 *	185 *	207 *	222 *	234 *
0.0	0	2	16	49 *	111 *	160 *	185 *	206 *	221 *	233 *
-1.0	0	2	16	49 *	111 *	160 *	185 *	207 *	222 *	234 *
-3.0	0	2	16	49 *	111 *	160 *	186 *	207 *	223 *	235 *
-5.0	0	2	16	48 *	109 *	159 *	185 *	208 *	224 *	238 *
-7.0	0	2	16	47 *	108 *	157 *	185 *	208 *	225 *	239 *
-9.0	0	2	16	47 *	105 *	154 *	184 *	207 *	225 *	240 *
-11.0	0	2	15	46 *	102 *	151 *	180 *	205 *	224 *	239 *
-13.0	0	2	15	44 *	98 *	146 *	176 *	202 *	221 *	236 *
-15.0	0	2	15	43 *	94 *	140 *	170 *	197 *	216 *	232 *
-17.0	0	2	15	41 *	89 *	134 *	163 *	189 *	209 *	224 *
-19.5	0	2	14	39 *	82 *	123 *	152 *	177 *	197 *	212 *
-22.5	0	2	14	37 *	74 *	110 *	135 *	158 *	177 *	192 *
-25.5	0	2	13	34 *	66 *	95 *	116 *	136 *	153 *	166 *
-29.0	0	1	12	31 *	57 *	79 *	95 *	110 *	123 *	133 *
-33.0	0	1	11	27	48 *	63 *	73 *	83 *	90 *	96 *
-37.5	0	1	10	24	38 *	48 *	54 *	58 *	62 *	65 *
-42.5	0	1	9	19	30 *	35 *	37 *	39 *	40 *	41 *
-47.5	0	1	7	16	23	26	27	27	27	27
-55.0	0	0	5	11	16	18	18	17	17	17
-65.0	0	0	3	6	9	10	10	10	10	10
-75.0	0	0	1	2	3	4	4	4	4	4
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	5	5	5	5	5	5	5	5	4	4
65.0	10	10	10	10	10	10	9	9	9	9
55.0	16	16	16	16	16	15	15	15	15	15
47.5	27	27	27	27	27	27	26	26	26	26
42.5	42 *	42 *	42 *	42 *	42 *	43 *	43 *	43 *	42 *	43 *
37.5	67 *	68 *	70 *	70 *	71 *	72 *	73 *	73 *	73 *	73 *
33.0	102 *	105 *	109 *	111 *	113 *	114 *	115 *	117 *	118 *	119 *
29.0	141 *	147 *	152 *	156 *	159 *	161 *	164 *	166 *	167 *	168 *
25.5	176 *	183 *	190 *	195 *	198 *	202 *	205 *	206 *	207 *	208 *
22.5	202 *	210 *	217 *	222 *	225 *	229 *	232 *	233 *	235 *	237 *
19.5	223 *	231 *	239 *	244 *	247 *	251 *	254 *	257 *	258 *	260 *
17.0	236 *	245 *	253 *	258 *	262 *	265 *	269 *	271 *	273 *	275 *
15.0	243 *	252 *	260 *	267 *	270 *	274 *	276 *	279 *	281 *	283 *
13.0	248 *	257 *	265 *	271 *	275 *	279 *	282 *	284 *	286 *	288 *
11.0	251 *	260 *	267 *	272 *	277 *	280 *	283 *	285 *	288 *	289 *
9.0	251 *	259 *	266 *	271 *	275 *	279 *	282 *	284 *	286 *	287 *
7.0	249 *	257 *	264 *	269 *	272 *	276 *	278 *	281 *	283 *	284 *
5.0	248 *	255 *	261 *	266 *	269 *	272 *	275 *	277 *	279 *	280 *
3.0	245 *	253 *	259 *	263 *	267 *	270 *	272 *	274 *	276 *	276 *
1.0	244 *	251 *	257 *	261 *	265 *	267 *	270 *	272 *	274 *	275 *
0.0	243 *	250 *	256 *	261 *	264 *	267 *	269 *	271 *	273 *	274 *
-1.0	244 *	251 *	257 *	261 *	265 *	267 *	270 *	272 *	274 *	275 *
-3.0	245 *	253 *	259 *	263 *	267 *	270 *	272 *	274 *	276 *	276 *
-5.0	248 *	255 *	261 *	266 *	269 *	272 *	275 *	277 *	279 *	280 *
-7.0	249 *	257 *	264 *	269 *	272 *	276 *	278 *	281 *	283 *	284 *
-9.0	251 *	259 *	266 *	271 *	275 *	279 *	282 *	284 *	286 *	287 *
-11.0	251 *	260 *	267 *	272 *	277 *	280 *	283 *	285 *	288 *	289 *
-13.0	248 *	257 *	265 *	271 *	275 *	279 *	282 *	284 *	286 *	288 *
-15.0	243 *	252 *	260 *	267 *	270 *	274 *	276 *	279 *	281 *	283 *
-17.0	236 *	245 *	253 *	258 *	262 *	265 *	269 *	271 *	273 *	275 *
-19.5	223 *	231 *	239 *	244 *	247 *	251 *	254 *	257 *	258 *	260 *
-22.5	202 *	210 *	217 *	222 *	225 *	229 *	232 *	233 *	235 *	237 *
-25.5	176 *	183 *	190 *	195 *	198 *	202 *	205 *	206 *	207 *	208 *
-29.0	141 *	147 *	152 *	156 *	159 *	161 *	164 *	166 *	167 *	168 *
-33.0	102 *	105 *	109 *	111 *	113 *	114 *	115 *	117 *	118 *	119 *
-37.5	67 *	68 *	70 *	70 *	71 *	72 *	73 *	73 *	73 *	73 *
-42.5	42 *	42 *	42 *	42 *	42 *	43 *	43 *	43 *	42 *	43 *
-47.5	27	27	27	27	27	27	26	26	26	26
-55.0	16	16	16	16	16	15	15	15	15	15
-65.0	10	10	10	10	10	10	9	9	9	9
-75.0	5	5	5	5	5	5	5	5	4	4
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	4	4	4	4	4	4	4	5	5	5
65.0	9	9	9	9	9	9	9	9	9	10

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CANDELA TABULATION - (Cont.)

55.0	15	15	15	15	15	15	15	15	15	15
47.5	26	26	26	26	26	26	26	26	26	27
42.5	43 *	42 *	42 *	42 *	43 *	43 *	42 *	43 *	43 *	43 *
37.5	72 *	73 *	73 *	73 *	72 *	73 *	73 *	73 *	73 *	72 *
33.0	118 *	119 *	119 *	119 *	118 *	119 *	118 *	117 *	115 *	114 *
29.0	168 *	169 *	168 *	169 *	168 *	168 *	167 *	166 *	164 *	161 *
25.5	209 *	210 *	210 *	210 *	209 *	208 *	207 *	206 *	205 *	202 *
22.5	238 *	239 *	238 *	239 *	238 *	237 *	235 *	233 *	232 *	229 *
19.5	260 *	261 *	261 *	261 *	260 *	260 *	258 *	257 *	254 *	251 *
17.0	275 *	276 *	275 *	276 *	275 *	275 *	273 *	271 *	269 *	265 *
15.0	283 *	284 *	285 *	284 *	283 *	283 *	281 *	279 *	276 *	274 *
13.0	288 *	289 *	289 *	289 *	288 *	288 *	286 *	284 *	282 *	279 *
11.0	290 *	290 *	290 *	290 *	290 *	289 *	288 *	285 *	283 *	280 *
9.0	288 *	288 *	289 *	288 *	288 *	287 *	286 *	284 *	282 *	279 *
7.0	285 *	285 *	286 *	285 *	285 *	284 *	283 *	281 *	278 *	276 *
5.0	281 *	281 *	282 *	281 *	281 *	280 *	279 *	277 *	275 *	272 *
3.0	277 *	278 *	279 *	278 *	277 *	276 *	276 *	274 *	272 *	270 *
1.0	276 *	276 *	277 *	276 *	276 *	275 *	274 *	272 *	270 *	267 *
0.0	275 *	276 *	276 *	276 *	275 *	274 *	273 *	271 *	269 *	267 *
-1.0	276 *	276 *	277 *	276 *	276 *	275 *	274 *	272 *	270 *	267 *
-3.0	277 *	278 *	279 *	278 *	277 *	276 *	276 *	274 *	272 *	270 *
-5.0	281 *	281 *	282 *	281 *	281 *	280 *	279 *	277 *	275 *	272 *
-7.0	285 *	285 *	286 *	285 *	285 *	284 *	283 *	281 *	278 *	276 *
-9.0	288 *	288 *	289 *	288 *	288 *	287 *	286 *	284 *	282 *	279 *
-11.0	290 *	290 *	290 *	290 *	290 *	289 *	288 *	285 *	283 *	280 *
-13.0	288 *	289 *	289 *	289 *	288 *	288 *	286 *	284 *	282 *	279 *
-15.0	283 *	284 *	285 *	284 *	283 *	283 *	281 *	279 *	276 *	274 *
-17.0	275 *	276 *	275 *	276 *	275 *	275 *	273 *	271 *	269 *	265 *
-19.5	260 *	261 *	261 *	261 *	260 *	260 *	258 *	257 *	254 *	251 *
-22.5	238 *	239 *	238 *	239 *	238 *	237 *	235 *	233 *	232 *	229 *
-25.5	209 *	210 *	210 *	210 *	209 *	208 *	207 *	206 *	205 *	202 *
-29.0	168 *	169 *	168 *	169 *	168 *	168 *	167 *	166 *	164 *	161 *
-33.0	118 *	119 *	119 *	119 *	118 *	119 *	118 *	117 *	115 *	114 *
-37.5	72 *	73 *	73 *	73 *	72 *	73 *	73 *	73 *	73 *	72 *
-42.5	43 *	42 *	42 *	42 *	43 *	43 *	42 *	43 *	43 *	43 *
-47.5	26	26	26	26	26	26	26	26	26	27
-55.0	15	15	15	15	15	15	15	15	15	15
-65.0	9	9	9	9	9	9	9	9	9	10
-75.0	4	4	4	4	4	4	4	5	5	5
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	5	5	5	5	5	4	4	4	4	4
65.0	10	10	10	10	10	10	10	10	10	10
55.0	16	16	16	16	16	17	17	17	18	18
47.5	27	27	27	27	27	27	27	27	27	26
42.5	42 *	42 *	42 *	42 *	42 *	41 *	40 *	39 *	37 *	35 *
37.5	71 *	70 *	70 *	68 *	67 *	65 *	62 *	58 *	54 *	48 *
33.0	113 *	111 *	109 *	105 *	102 *	96 *	90 *	83 *	73 *	63 *
29.0	159 *	156 *	152 *	147 *	141 *	133 *	123 *	110 *	95 *	79 *
25.5	198 *	195 *	190 *	183 *	176 *	166 *	153 *	136 *	116 *	95 *

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CANDELA TABULATION - (Cont.)

22.5	225 *	222 *	217 *	210 *	202 *	192 *	177 *	158 *	135 *	110 *
19.5	247 *	244 *	239 *	231 *	223 *	212 *	197 *	177 *	152 *	123 *
17.0	262 *	258 *	253 *	245 *	236 *	224 *	209 *	189 *	163 *	134 *
15.0	270 *	267 *	260 *	252 *	243 *	232 *	216 *	197 *	170 *	140 *
13.0	275 *	271 *	265 *	257 *	248 *	236 *	221 *	202 *	176 *	146 *
11.0	277 *	272 *	267 *	260 *	251 *	239 *	224 *	205 *	180 *	151 *
9.0	275 *	271 *	266 *	259 *	251 *	240 *	225 *	207 *	184 *	154 *
7.0	272 *	269 *	264 *	257 *	249 *	239 *	225 *	208 *	185 *	157 *
5.0	269 *	266 *	261 *	255 *	248 *	238 *	224 *	208 *	185 *	159 *
3.0	267 *	263 *	259 *	253 *	245 *	235 *	223 *	207 *	186 *	160 *
1.0	265 *	261 *	257 *	251 *	244 *	234 *	222 *	207 *	185 *	160 *
0.0	264 *	261 *	256 *	250 *	243 *	233 *	221 *	206 *	185 *	160 *
-1.0	265 *	261 *	257 *	251 *	244 *	234 *	222 *	207 *	185 *	160 *
-3.0	267 *	263 *	259 *	253 *	245 *	235 *	223 *	207 *	186 *	160 *
-5.0	269 *	266 *	261 *	255 *	248 *	238 *	224 *	208 *	185 *	159 *
-7.0	272 *	269 *	264 *	257 *	249 *	239 *	225 *	208 *	185 *	157 *
-9.0	275 *	271 *	266 *	259 *	251 *	240 *	225 *	207 *	184 *	154 *
-11.0	277 *	272 *	267 *	260 *	251 *	239 *	224 *	205 *	180 *	151 *
-13.0	275 *	271 *	265 *	257 *	248 *	236 *	221 *	202 *	176 *	146 *
-15.0	270 *	267 *	260 *	252 *	243 *	232 *	216 *	197 *	170 *	140 *
-17.0	262 *	258 *	253 *	245 *	236 *	224 *	209 *	189 *	163 *	134 *
-19.5	247 *	244 *	239 *	231 *	223 *	212 *	197 *	177 *	152 *	123 *
-22.5	225 *	222 *	217 *	210 *	202 *	192 *	177 *	158 *	135 *	110 *
-25.5	198 *	195 *	190 *	183 *	176 *	166 *	153 *	136 *	116 *	95 *
-29.0	159 *	156 *	152 *	147 *	141 *	133 *	123 *	110 *	95 *	79 *
-33.0	113 *	111 *	109 *	105 *	102 *	96 *	90 *	83 *	73 *	63 *
-37.5	71 *	70 *	70 *	68 *	67 *	65 *	62 *	58 *	54 *	48 *
-42.5	42 *	42 *	42 *	42 *	42 *	41 *	40 *	39 *	37 *	35 *
-47.5	27	27	27	27	27	27	27	27	27	26
-55.0	16	16	16	16	16	17	17	17	18	18
-65.0	10	10	10	10	10	10	10	10	10	10
-75.0	5	5	5	5	5	4	4	4	4	4
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

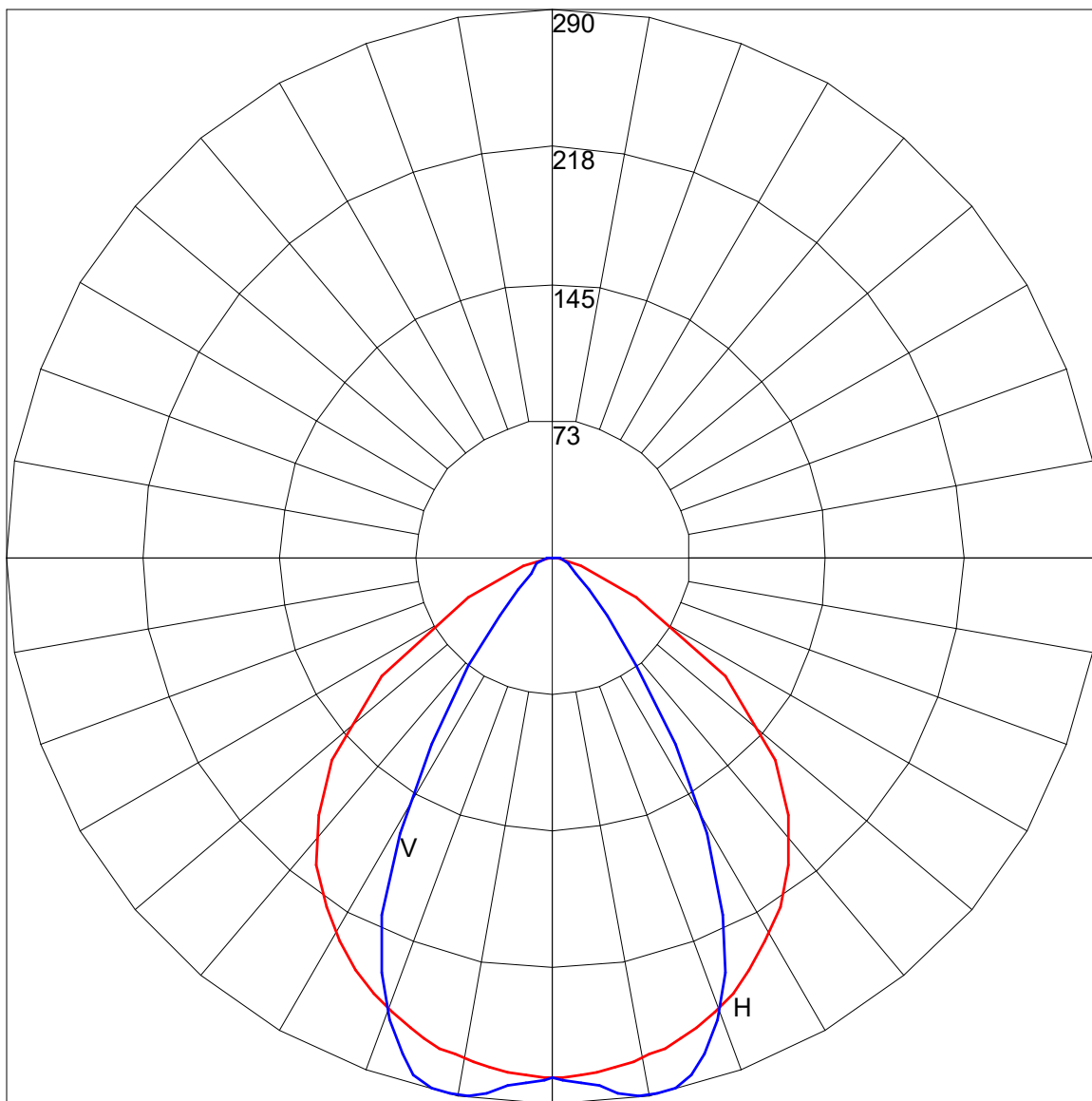
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	3	2	1	0	0
65.0	9	6	3	0	0
55.0	16	11	5	0	0
47.5	23	16	7	1	0
42.5	30 *	19	9	1	0
37.5	38 *	24	10	1	0
33.0	48 *	27	11	1	0
29.0	57 *	31 *	12	1	0
25.5	66 *	34 *	13	2	0
22.5	74 *	37 *	14	2	0
19.5	82 *	39 *	14	2	0
17.0	89 *	41 *	15	2	0
15.0	94 *	43 *	15	2	0
13.0	98 *	44 *	15	2	0
11.0	102 *	46 *	15	2	0
9.0	105 *	47 *	16	2	0

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CANDELA TABULATION - (Cont.)

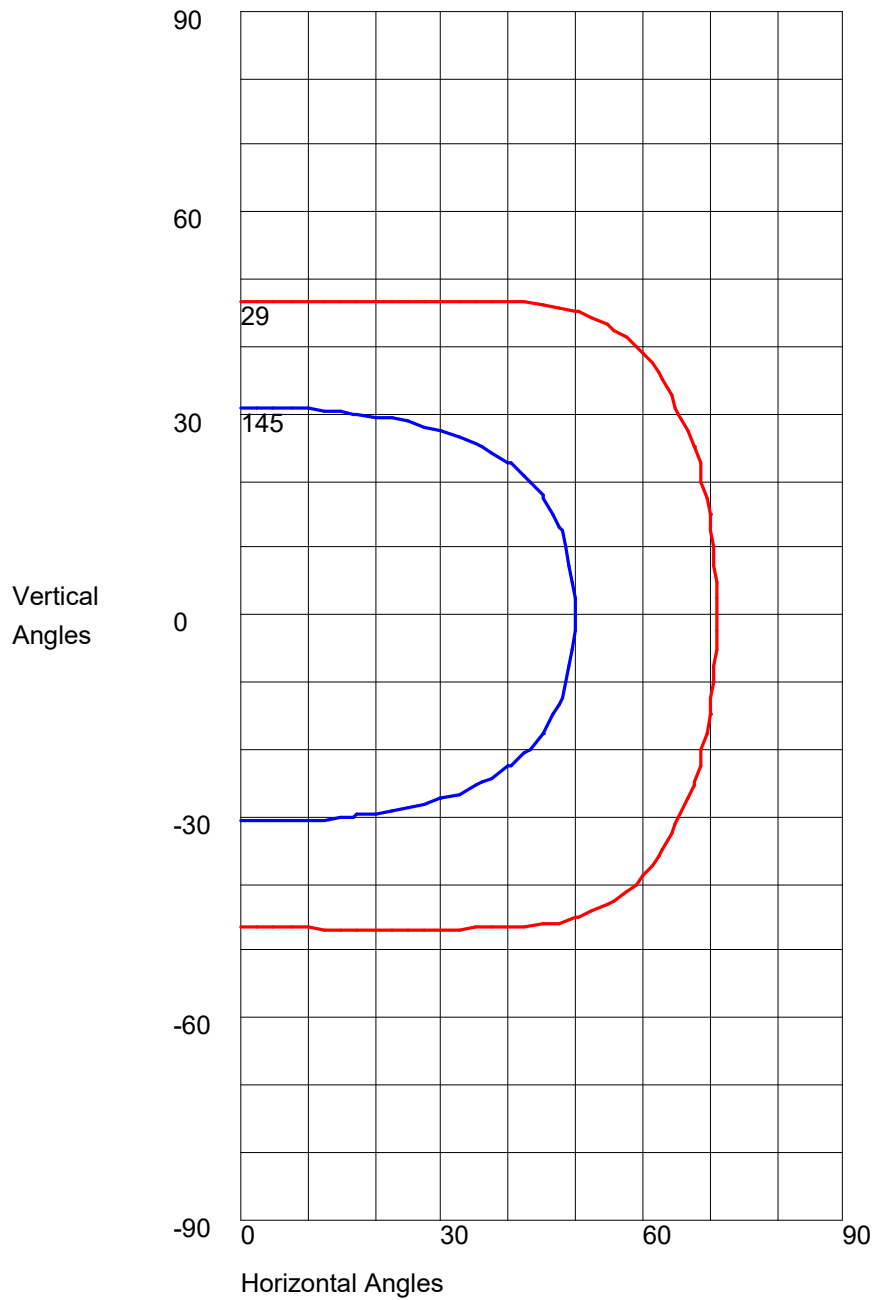
7.0	108 *	47 *	16	2	0
5.0	109 *	48 *	16	2	0
3.0	111 *	49 *	16	2	0
1.0	111 *	49 *	16	2	0
0.0	111 *	49 *	16	2	0
-1.0	111 *	49 *	16	2	0
-3.0	111 *	49 *	16	2	0
-5.0	109 *	48 *	16	2	0
-7.0	108 *	47 *	16	2	0
-9.0	105 *	47 *	16	2	0
-11.0	102 *	46 *	15	2	0
-13.0	98 *	44 *	15	2	0
-15.0	94 *	43 *	15	2	0
-17.0	89 *	41 *	15	2	0
-19.5	82 *	39 *	14	2	0
-22.5	74 *	37 *	14	2	0
-25.5	66 *	34 *	13	2	0
-29.0	57 *	31 *	12	1	0
-33.0	48 *	27	11	1	0
-37.5	38 *	24	10	1	0
-42.5	30 *	19	9	1	0
-47.5	23	16	7	1	0
-55.0	16	11	5	0	0
-65.0	9	6	3	0	0
-75.0	3	2	1	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 290 Located At Horizontal Angle =-3, Vertical Angle =-11
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 290 Located At Horizontal Angle =-3, Vertical Angle =-11
50% Maximum Candela = 145
10% Maximum Candela = 29